

NEW DISTRIBUTIONAL RECORDS FOR  
CANADIAN SOLDIER FLIES (DIPTERA: STRATIOMYIDAE)  
PART I. BERIDINAE AND SARGINAE

M. W. McFADDEN  
Department of Entomology  
Washington State University  
Pullman, Washington 99163

*Quaestiones entomologicae*  
5 : 5-7 1969

New distribution records in Canada and Alaska are presented for the following species of *Stratiomyidae*: *Allognosta fuscitarsis*, *A. obscuriventris*, *A. brevicornis*, *Actina viridis*, *Beris californica*, *Exodontha luteipes*, *Sargus bipunctatus*, *S. cuprarius*, *S. decorus*, *S. viridis*, *S. lucens*, *Microchrysa polita*, and *M. flavicornis*.

Except for the contributions of Strickland (1938, 1946), James (1951), and James and Hockett (1952), information on the distribution of *Stratiomyidae* in Canada and Alaska has not been revised since Curran's synopsis (1927).

Work in progress on a revision of the *Stratiomyidae* of Alaska and Canada has revealed the following new records.

SUBFAMILY BERIDINAE

*Allognosta fuscitarsis* (Say)

Previously recorded from Nebraska to Quebec; the new records include specimens collected from Manitoba and Nova Scotia and indicate that the range of this species covers the eastern half of Canada.

*Allognosta obscuriventris* (Loew)

The species, previously known only from Ontario and Quebec, is now known to occur in Manitoba and Nova Scotia and apparently is sympatric with *A. fuscitarsis*.

*Allognosta brevicornis* Johnson

All previous records for the species have been from the northeastern section of the United States. New records show that its range can be extended in Canada to include Quebec, Ontario, Alberta, and British Columbia.

*Actina viridis* (Say)

Previously known to occur in Canada from Newfoundland to Alberta; new records from Nova Scotia, New Brunswick, and British Columbia confirm that this species extends from coast to coast.

*Beris californica* James

The species was not previously recorded from Canada or Alaska but is now known to occur in the southern portion of British Columbia. It has also been recorded from Vancouver Island.

*Exodontha luteipes* (Williston)

The species has been recorded from Vermont and New Hampshire in the northeastern United States and from Idaho in the northwest. It is now known to occur in the provinces of Alberta and British Columbia.

## SUBFAMILY SARGINAE

*Sargus bipunctatus* (Scopoli)

Previously known only from the states of Oregon and Washington where it was originally introduced (James 1960), the species has now extended its range to include southeastern British Columbia.

*Sargus cuprarius* (Linnaeus)

In Canada, the species is known to occur from Quebec westward to British Columbia. Specimens collected from Nova Scotia indicate that the range now extends from coast to coast.

*Sargus decorus* Say

The species has been reported as having a range extending from Alaska to the province of Quebec. With new records from Nova Scotia and New Brunswick, the range now extends from coast to coast.

*Sargus viridis* Say

Previously known to occur in Alaska, its range extended eastward to the province of Quebec. New records from New Brunswick indicate that the range actually extends from coast to coast in Canada.

*Sargus lucens* Loew

The species has not been previously reported to occur in Canada. All new records are from the province of Ontario.

*Microchrysa polita* (Linnaeus)

The species is reported to have a range extending from coast to coast in Canada. The single new record is from the province of New Brunswick which serves to verify the fact that the species is established in the Atlantic provinces.

*Microchrysa flavicornis* (Meigen)

The species, previously known to have a range extending from the state of Washington to the province of Newfoundland, is now known to occur in the provinces of Saskatchewan, Alberta, and British Columbia.

## REFERENCES

- Curran, C.H. 1927. Synopsis of the Canadian Stratiomyidae (Diptera). Trans. R. Soc. Can. 21 : 191-228.
- James, M.T. 1951. The Stratiomyidae of Alberta (Diptera). Proc. ent. Soc. Wash. 53(6) : 342-343.
- James, M.T. 1960. The soldier flies or Stratiomyidae of California. Bull. Calif. Insect Survey 6(5) : 79-122.
- James, M.T. and H.C. Hockett. 1952. The Diptera collected by I.O. Buss in southwestern Yukon Territory during the summer of 1950. Can. Ent. 84(9) : 265-269.
- Strickland, E.H. 1938. An annotated list of Diptera of Alberta. Can. Res. D. 16 : 175-219.
- Strickland, E.H. 1946. An annotated list of Diptera of Alberta. Additions and corrections. Can. Res. D. 24 : 157-173.

1870

...

...

...

...